

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052620\
 Data File : VU038295.D
 Acq On : 26 May 2020 14:08
 Operator : JC/MD
 Sample : L2724-14DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BE4W0DL

Quant Time: May 27 07:24:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 06:51:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	340864	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	326280	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	158566	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87032	2.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.80%
7) Chloroethane-d5	1.93	69	84363	3.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.60%#
11) 1,1-Dichloroethene-d2	2.59	63	136472	2.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.40%#
20) 2-Butanone-d5	4.66	46	348514	45.31	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.62%
24) Chloroform-d	5.10	84	198790	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.74	65	118043	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.76	84	412957	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.72	67	134255	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	7.92	98	361473	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.20	79	52810	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	8.65	63	280901	47.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	110880	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	146385	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

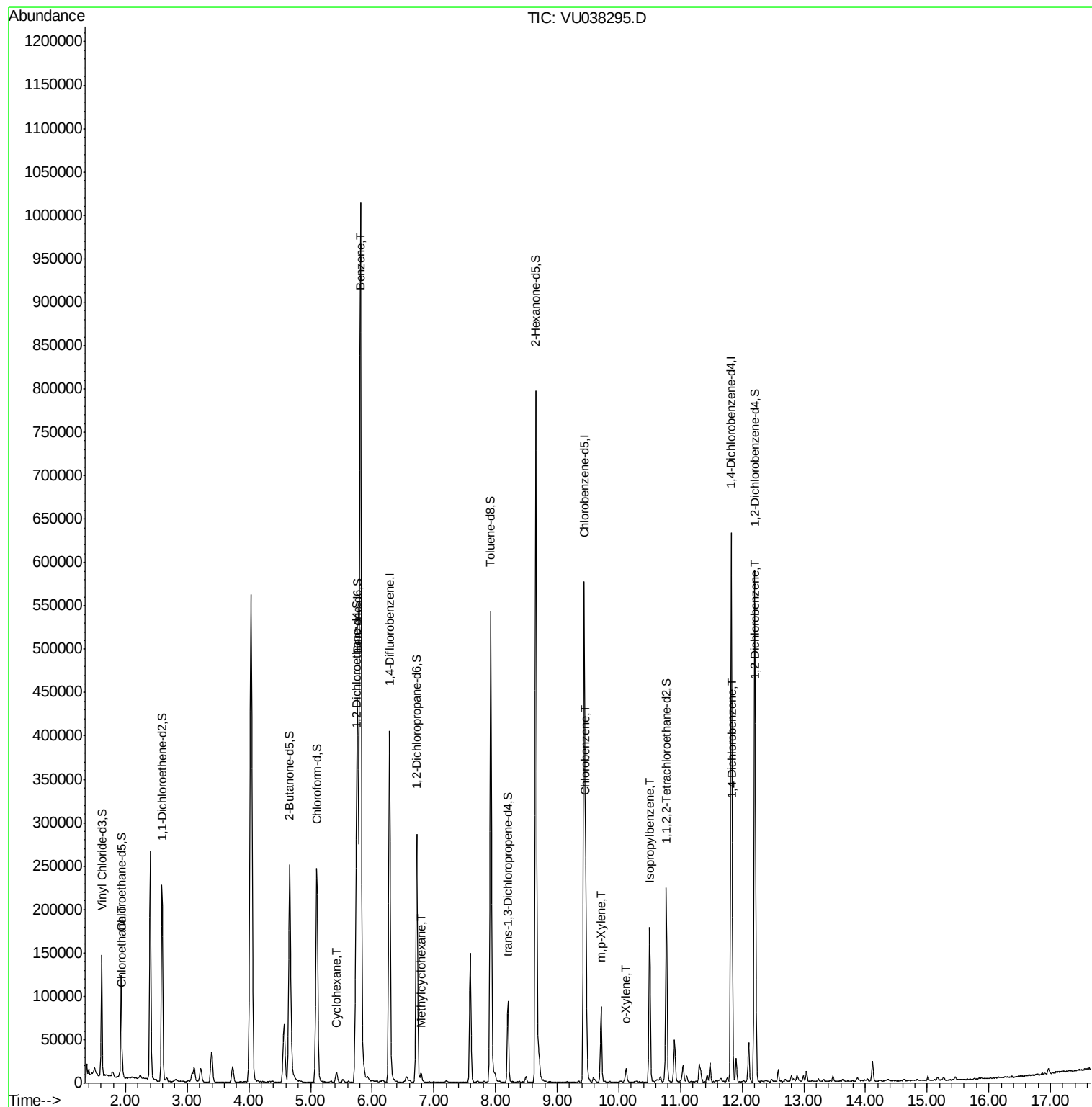
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	5171	0.228	ug/L	94
30) Cyclohexane	5.42	56	5362	0.121	ug/L	98
33) Benzene	5.81	78	961205	9.199	ug/L	100
35) Methylcyclohexane	6.79	83	4645	0.110	ug/L	97
51) Chlorobenzene	9.47	112	116154	1.697	ug/L	97
53) m,p-Xylene	9.71	106	24425	0.533	ug/L	95
54) o-Xylene	10.11	106	3947	0.089	ug/L	88
56) Isopropylbenzene	10.50	105	117278	1.031	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	14129	0.270	ug/L	95
65) 1,2-Dichlorobenzene	12.22	146	21946	0.442	ug/L	93

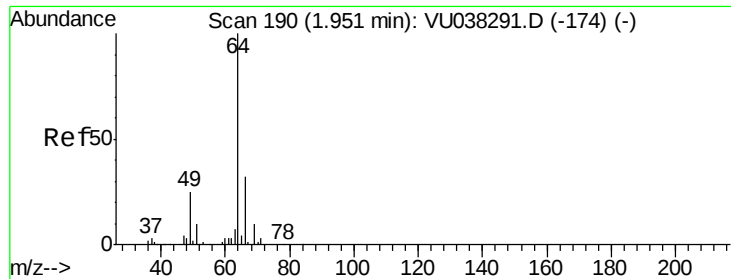
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 27 06:51:51 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.228 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

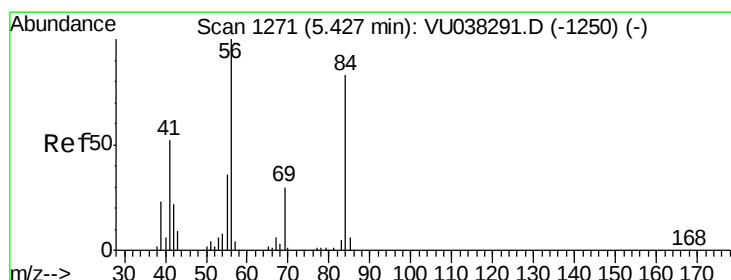
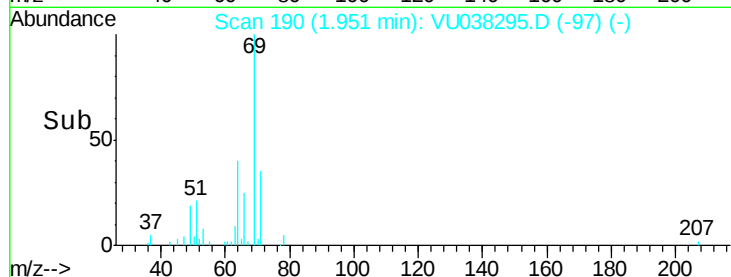
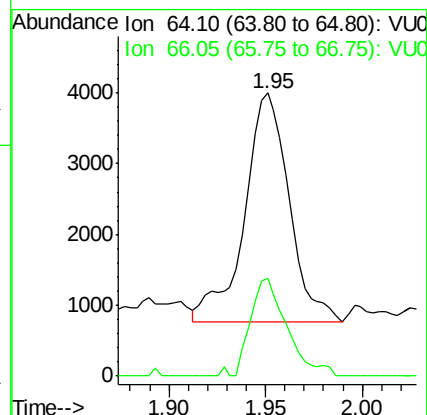
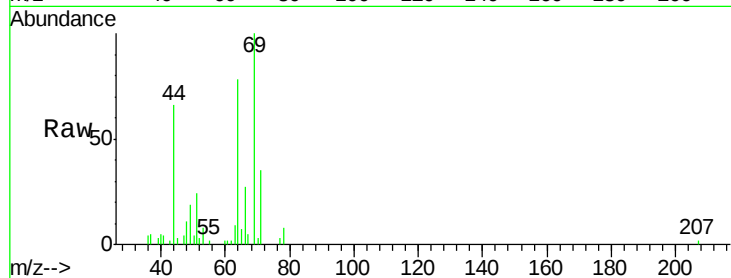
BE4W0DL

Tot Ion: 64 Resp: 5171

Ion Ratio Lower Upper

64 100

66 34.5 21.8 40.4



#30

Cyclohexane

Concen: 0.121 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

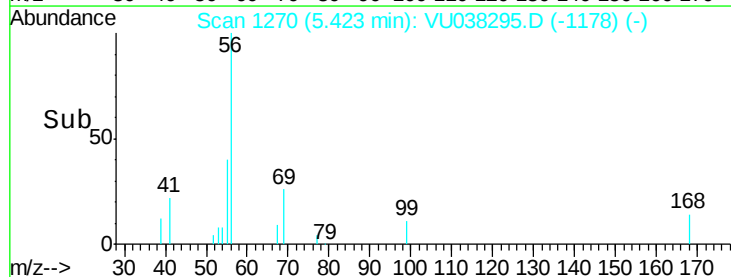
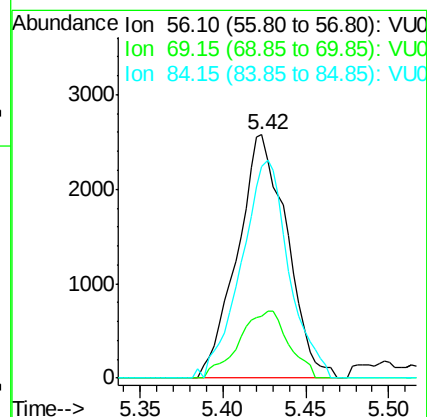
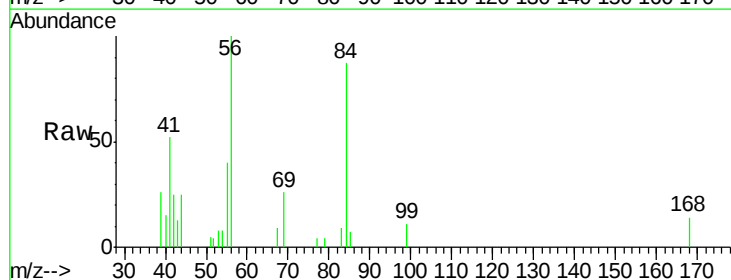
Tgt Ion: 56 Resp: 5362

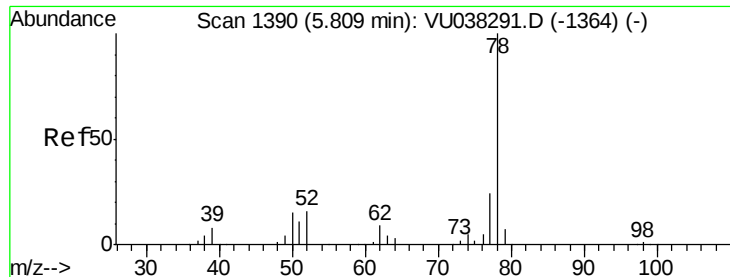
Ion Ratio Lower Upper

56 100

69 27.7 24.2 36.4

84 86.0 68.5 102.7





#33

Benzene

Concen: 9.199 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

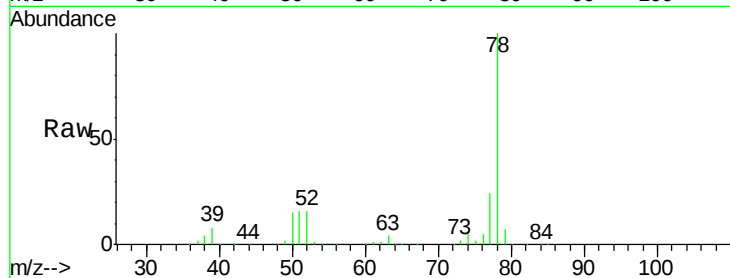
Instrument :

MSVOA_U

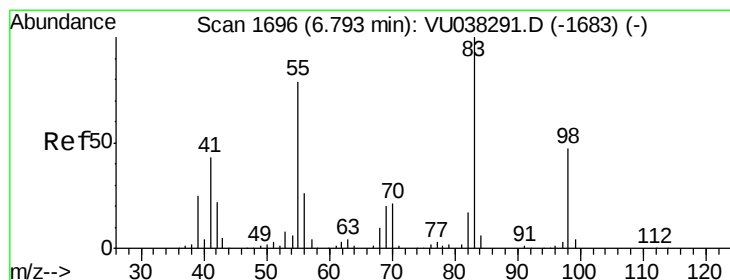
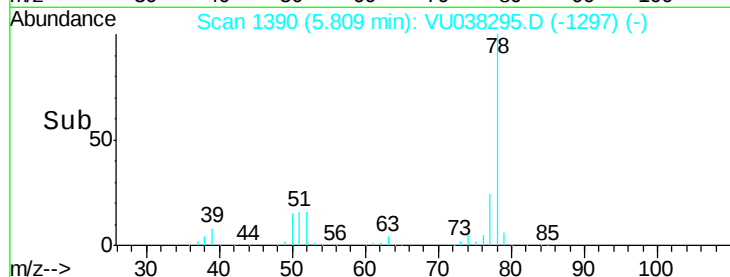
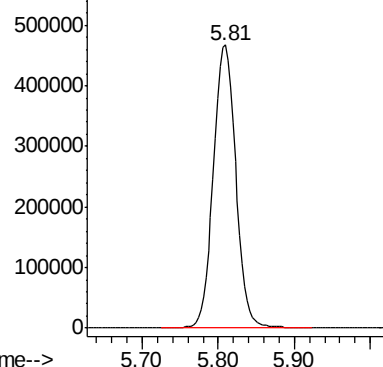
ClientSampleId :

BE4W0DL

Tgt Ion: 78 Resp: 961205



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.110 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU038295.D

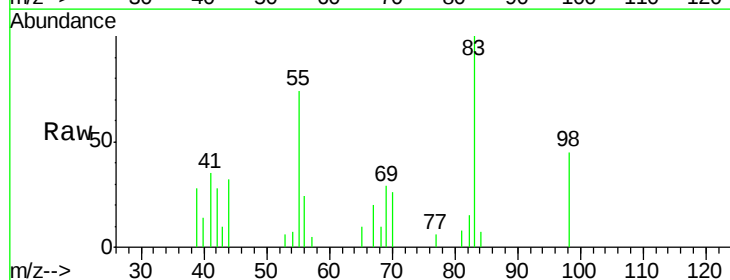
Acq: 26 May 2020 14:08

Tgt Ion: 83 Resp: 4645

Ion	Ratio	Lower	Upper
83	100		

55	83.3	66.7	100.1
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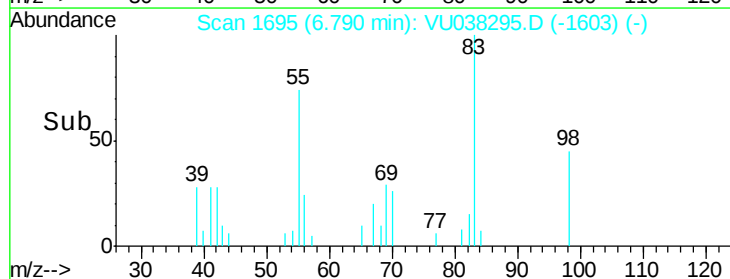
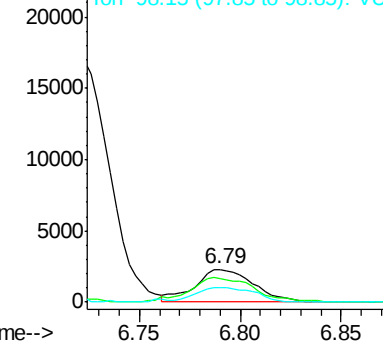
98	44.0	39.4	59.2
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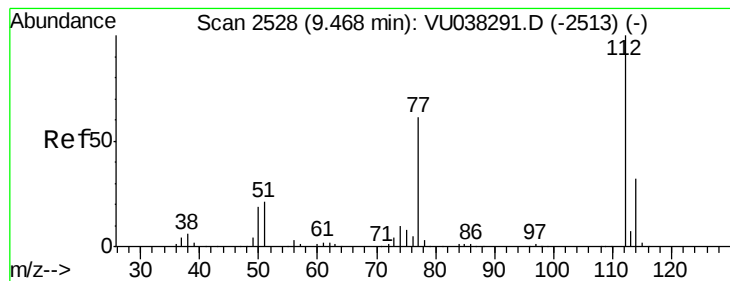


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#51

Chlorobenzene

Concen: 1.697 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

BE4W0DL

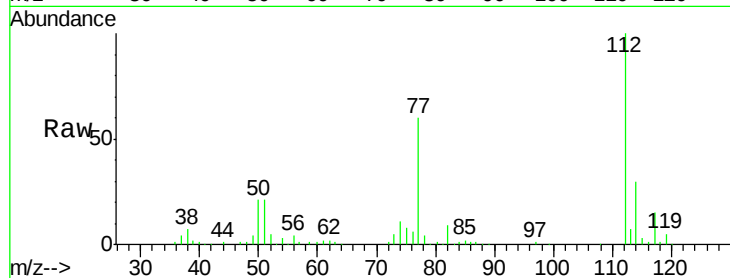
Tot Ion:112 Resp: 116154

Ion Ratio Lower Upper

112 100

114 30.3 22.5 41.7

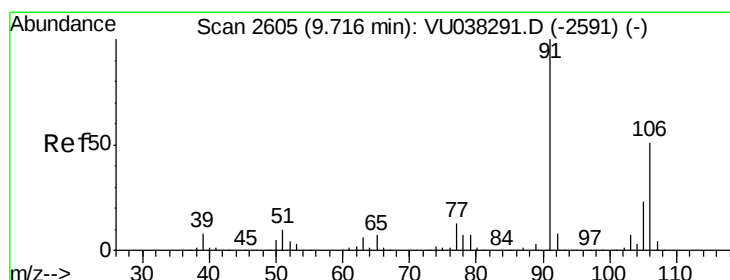
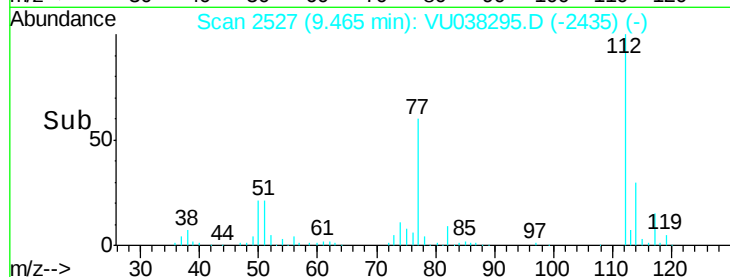
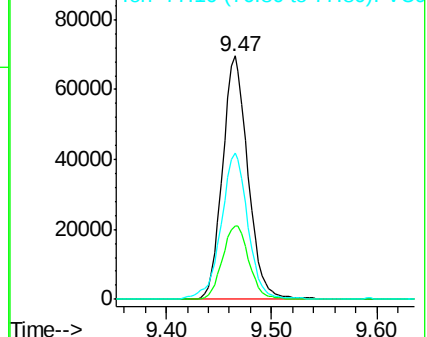
77 60.3 49.9 74.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU



#53

m,p-Xylene

Concen: 0.533 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU038295.D

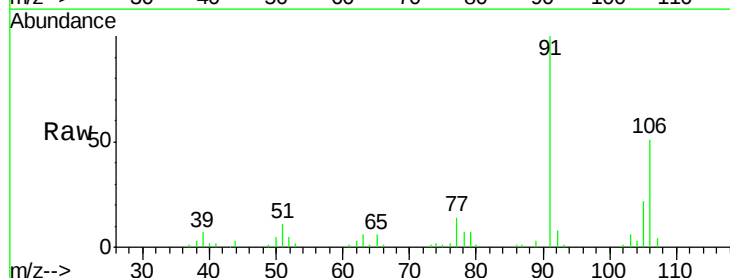
Acq: 26 May 2020 14:08

Tgt Ion:106 Resp: 24425

Ion Ratio Lower Upper

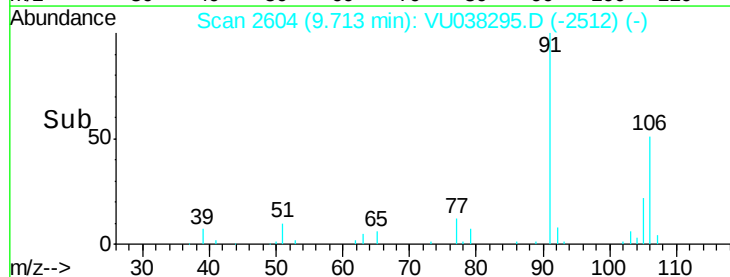
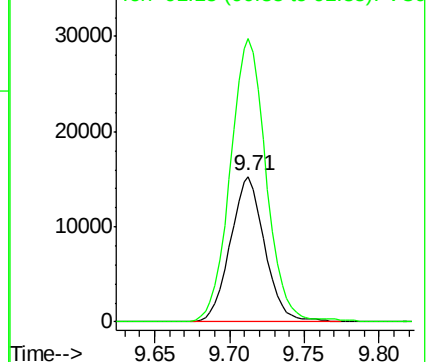
106 100

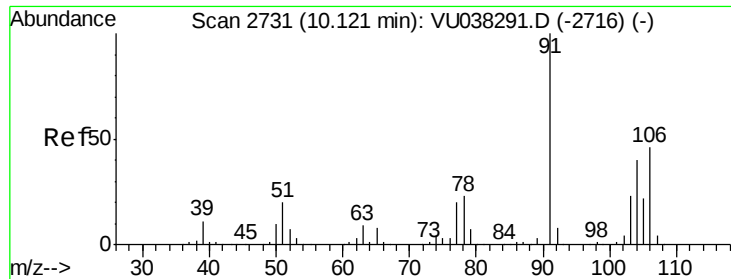
91 195.0 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU

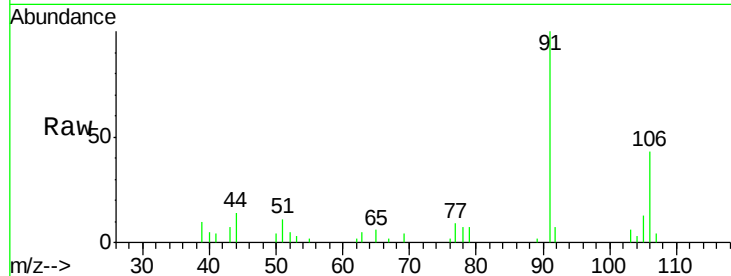




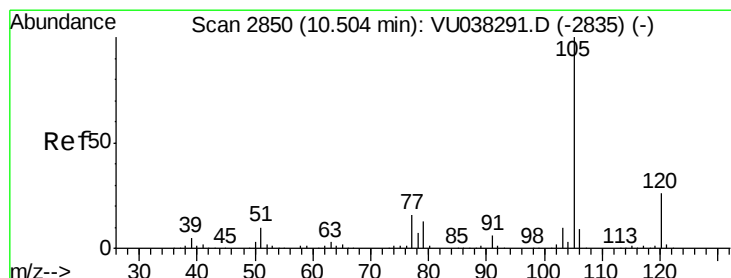
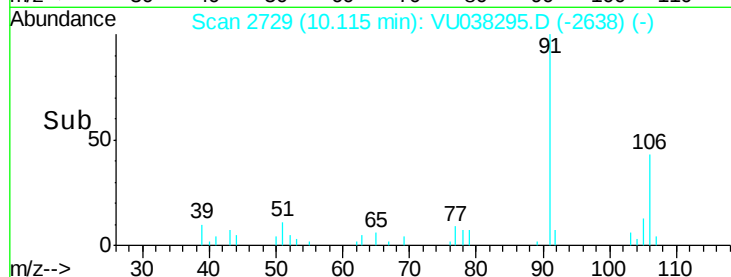
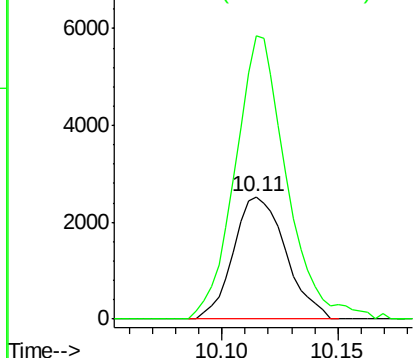
#54
o-Xylene
Concen: 0.089 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.01 min
Lab File: VU038295.D
Acq: 26 May 2020 14:08

Instrument :
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ClientSampleId :
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Tot Ion:106 Resp: 3947
Ion Ratio Lower Upper
106 100
91 231.8 148.5 275.9

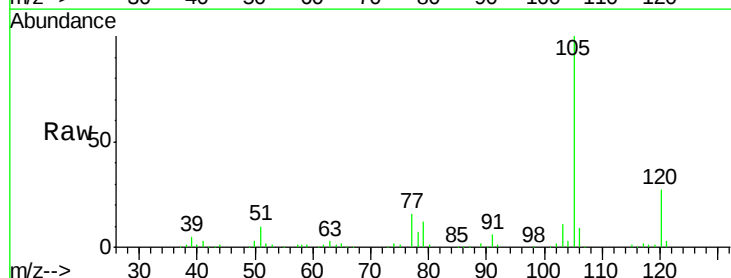


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

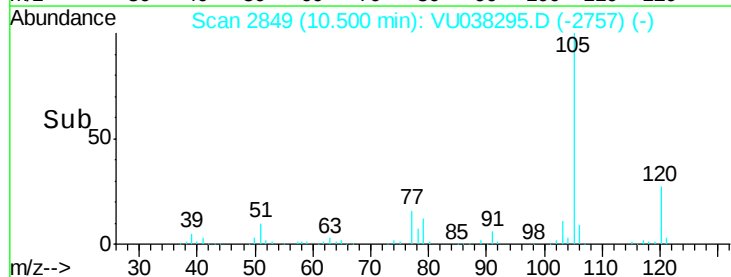
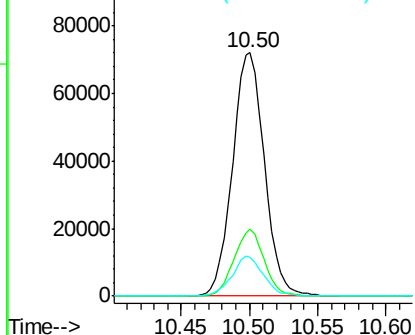


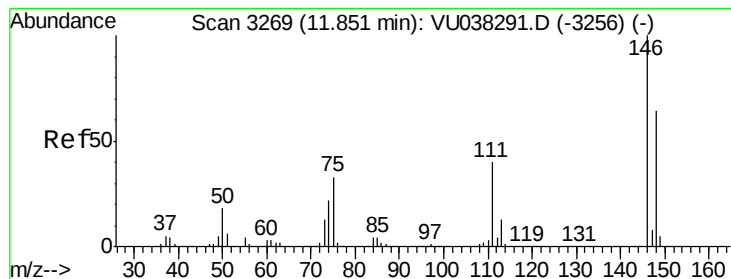
#56
Isopropylbenzene
Concen: 1.031 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038295.D
Acq: 26 May 2020 14:08

Tgt Ion:105 Resp: 117278
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 16.0 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0





#63

1,4-Dichlorobenzene

Concen: 0.270 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

BE4W0DL

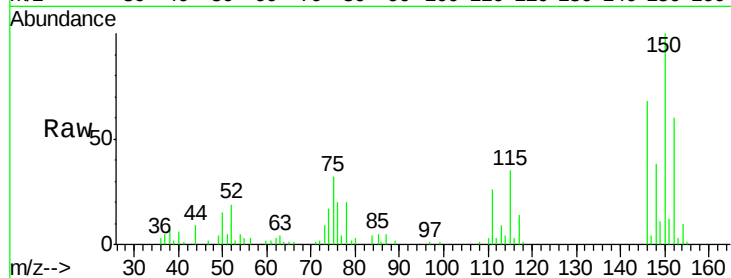
Tot Ion:146 Resp: 14129

Ion Ratio Lower Upper

146 100

111 38.5 27.2 50.6

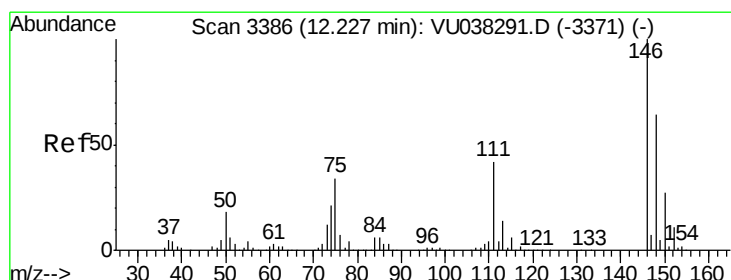
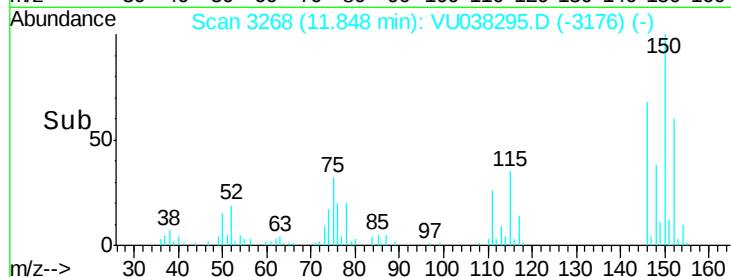
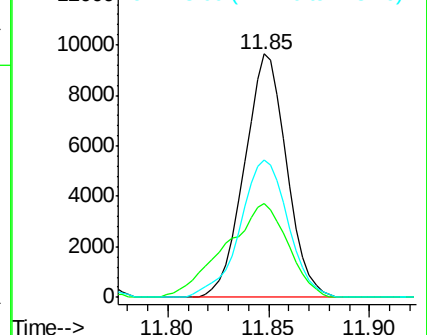
148 56.2 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.442 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038295.D

Acq: 26 May 2020 14:08

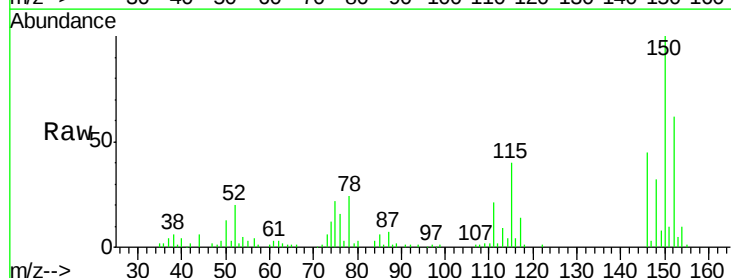
Tgt Ion:146 Resp: 21946

Ion Ratio Lower Upper

146 100

111 47.2 35.3 52.9

148 70.0 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

